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Oct 17, 1995

DERWENT-ACC-NO: 1995-390236

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TITLE: Spice having antibacterial activity against methicillin-resistant Staphylococcus aureus - used for treating incurable and infectious diseases and food poisoning

PATENT-ASSIGNEE: KANEKA SUNSPICE KK (KANEN), OSAKA CITY (OSAQ)

PRIORITY-DATA: 1994JP-0015322 (February 9, 1994)



PATENT-FAMILY:

 PUB-NO
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APPLICATION-DATA:

PUB-NO APPL-DATE APPL-NO DESCRIPTOR

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INT-CL (IPC): A01 N 65/00; A61 K 35/78; A61 K 45/00

ABSTRACTED-PUB-NO: JP 07267873A

BASIC-ABSTRACT:

Spice has anti-bacterial activity against Methicillin resistant Staphylococcus aureus (MRSA).

Also claimed are (i) the extracts from the spice having antibacterial activity against MRSA; (ii) antibacterial agent contg. the spice or its extracts; (iii) spice having antibacterial activities against MRSA and food poisoning; and (iv) antibacterial agent contg. the spice and food poisoning bacteria or its extracts.

The spice pref. comprises clove, all spice, <u>oregano</u>, <u>cinnamon</u>, <u>rosemary</u>, nutmeg, or sage. The <u>antibacterial</u> agent is pref. the extracts from <u>rosemary</u> or sage. The food poisoning bacteria are pref. Salmonella, E. Coli, or Campylobacter.

USE - The agent used for treating incurable and infectious diseases caused by MRSA, and food poisoning. The antibacterial agent is highly safe, and applied as disinfectant or bactericide as fibre having sterile filtration activity, or used for cleaning a room or for washing dishes.

The antibacterial agent may be formulated into an injection for parenteral admin.; or tablets, capsules, (fine) granules or powders for oral admin.; or suppositories, external liq. or ointment for topical use.

In an example - on mueller-hinton agar-agar medium (BBL) (20ml) was spread each bacterial soln. (0.1 ml) After the surface was dried, each spice (10-50 mg) was put, and cultured at 37 deg.C for 1 day. Stopping circles around the spices were found which proved to be positive to the first screening. The results showed that clove, cinnamon, oregano and all spice were effective against E. Coli, Salmonella, Staphylococcus aureus and Campylobacter.

ABSTRACTED-PUB-NO: JP 07267873A

EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.0/0

DERWENT-CLASS: B04 D22

CPI-CODES: B04-A10; B14-A01B4; D09-A01C;

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